

Amendments to the Specification

(1) Please delete the paragraph beginning on p. 52, line 12 and ending at line 22 and replace with the following replacement paragraph:

In another such embodiment, the invention provides an isolated nucleic acid comprising (i) the nucleotide sequence of SEQ ID NO: 6, (ii) a degenerate variant of SEQ ID NO: 76, or (iii) the complement of (i) or (ii), wherein the isolated nucleic acid is no more than about 100 kb in length, typically no more than about 75 kb in length, more typically no more than about 50 kb length. SEQ ID NO: 76 encodes a novel portion of LCP. Often, the isolated nucleic acids of this embodiment are no more than about 25 kb in length, often no more than about 15 kb in length, and frequently no more than about 10 kb in length.

(2) Please delete paragraph including Table 3 on page 143, starting at line 16 and ending at line 19 and replace with the following replacement paragraph:

Diseases that map to the human LCP chromosomal region are shown in Table 3:

Table 3:

Diseases mapped to human chromosome 3q12.1 (LCP region).

Mim_num	Disease	Chromosomal location
601869	Deafness, autosomal recessive 15	3q
602668	Myotonic dystrophy 2	3q